

Name. _____		Printed Pages:01		
Student Admn. No.: _____				
School of computing science and engineering Backlog Examination, June 2023 [Programme:BCA] [Semester: IV] [Batch:]				
Course Title: Artificial intelligence and machine learning using python Course Code: BCA9001		Max Marks: 100 Time: 3 Hrs.		
Instructions:	1. All questions are compulsory. 2. Assume missing data suitably, if any.			
		K Level	COs	Marks
SECTION-A (15 Marks)		5 Marks each		
1.	Describe the Applications of Artificial Intelligence.	K1	CO1	5
2.	Identify the Informed search strategies in searching.	K1	CO2	5
3.	Define the Clauses and Resolution of Knowledge Representation.	K1	CO3	5
SECTION-B (40 Marks)		10 Marks each		
4.	Summarize the Propositional logic.	K2	CO3	10
5.	Classify the Bayesian Networks in learning.	K3	CO4	10
6.	Determine the latest advancements in the Machine Learning.	K3	CO5	10
7.	Categorize the Best First Search algorithm. OR Determine the A* algorithm in detail.	K4	CO2	10
SECTION-C (45 Marks)		15 Marks each		
8.	Illustrate the Structure of Intelligent Agents in AI.	K4	CO1	15
9.	Evaluate Markov model in learning.	K5	CO4	15
10	Discuss on supervised and unsupervised learning in machine learning. OR Write the EM algorithm and in explain in detail.	K5	CO5	15